

## ABSTRACT

A cell comprising an acidic medium, a first electrode which is disposed in the acidic medium, a basic medium which is kept in contact with the acidic medium, and a second electrode which is disposed in the basic medium, wherein the acidic medium contains a first substance which causes a reaction of removing electrons from the first electrode, accompanied by hydrogen ions contained therein, and the basic medium contains a second substance which causes a reaction of donating electrons to the second electrode, accompanied by hydroxide ions contained therein, and a method of power generation using the cell.